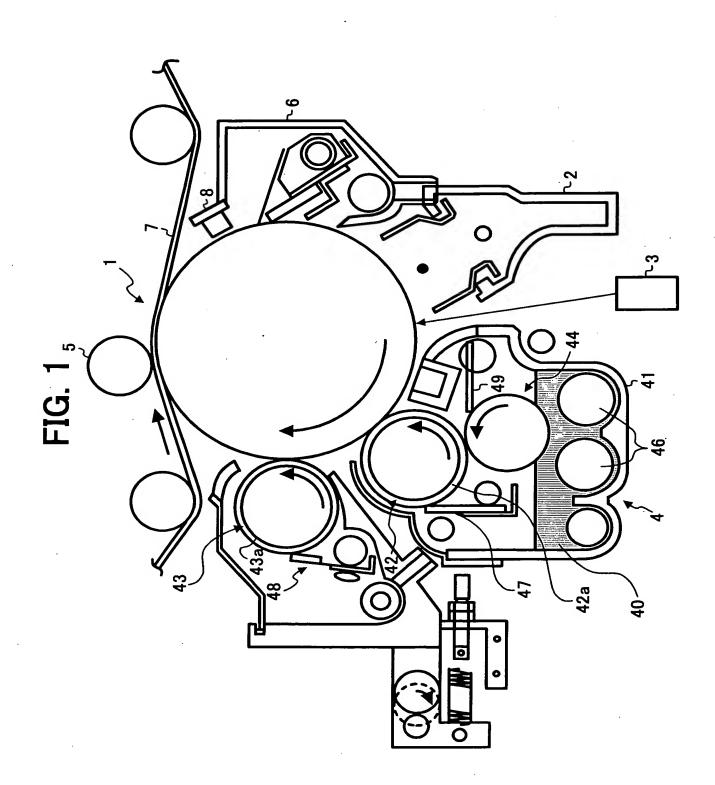
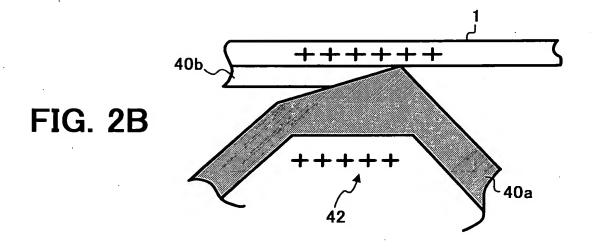
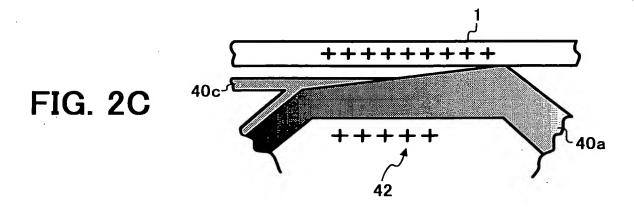
OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>1</u> OF <u>36</u>



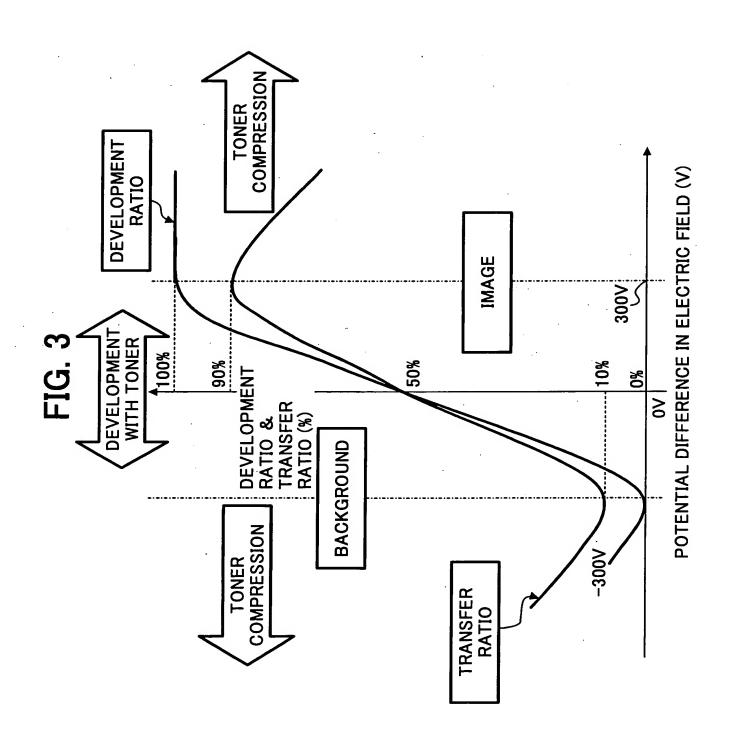
OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>2</u> OF <u>36</u>

FIG. 2A 40b +++++ 40a





OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>3</u> OF <u>36</u>



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>4</u> OF <u>36</u>

FIG. 4A FIG. 4B

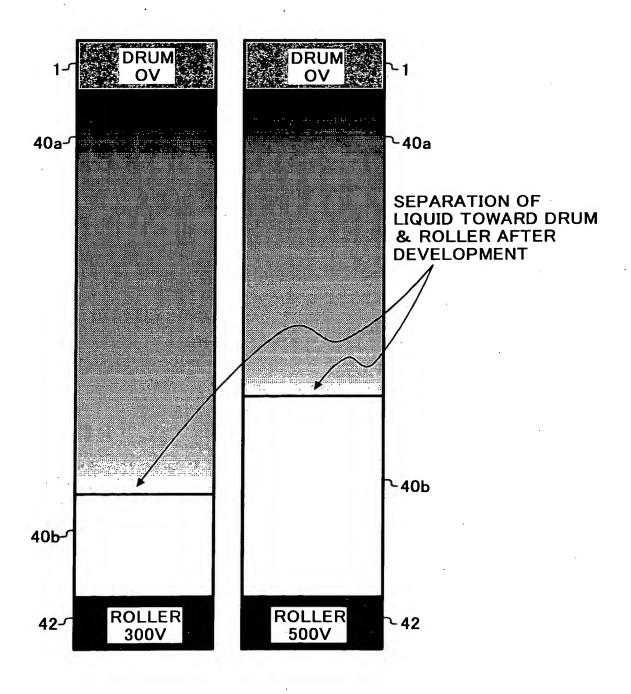
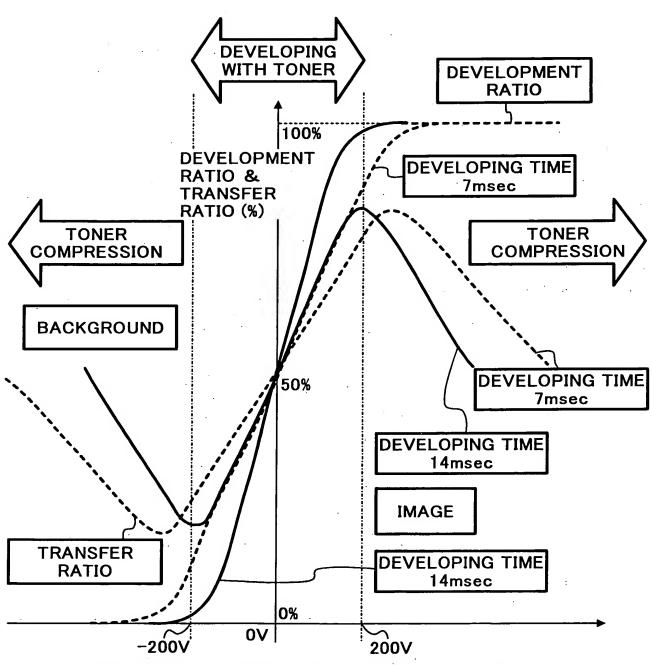
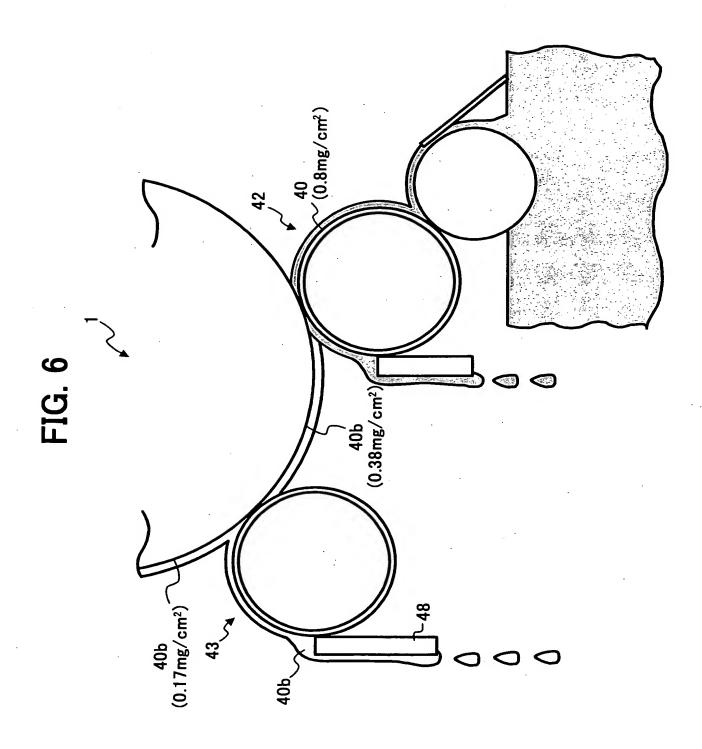


FIG. 5



POTENTIAL DIFFERENCE IN ELECTRIC FIELD (V)

OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>6</u> OF <u>36</u>



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV

INV: SASAKI, ET AL. SHEET <u>7</u> OF <u>36</u>

FIG. 7

	SWEEP ROLLER NIP (2mm)	R NIP (2mm)
	AFTER SWEEP ROLLER (mg/cm²)	AFTER DEVELOPING ROLLER (mg/cm²)
BACKGROUND	0.17	0.38
IMAGE	0.52	0.68

OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>8</u> OF <u>36</u>

FIG. 8A

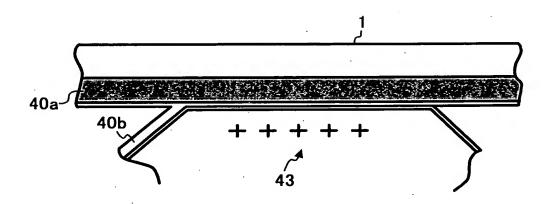
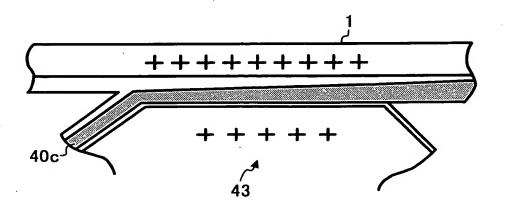
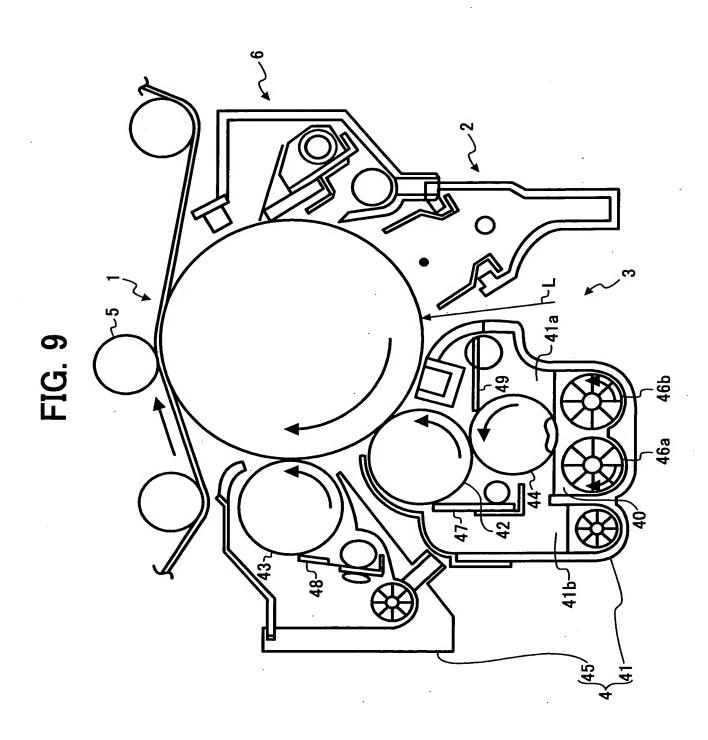


FIG. 8B



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>9</u> OF <u>36</u>



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>10</u> OF <u>36</u>

FIG. 10A

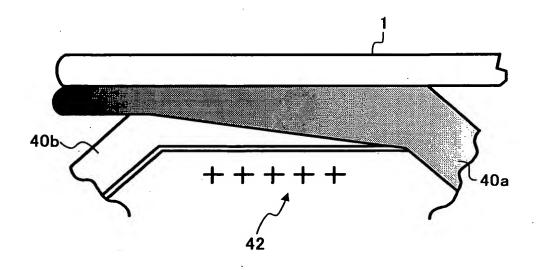
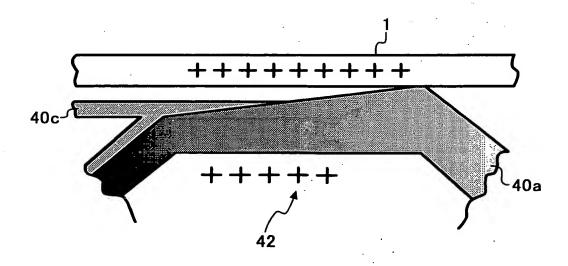


FIG. 10B



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>11</u> OF <u>36</u>

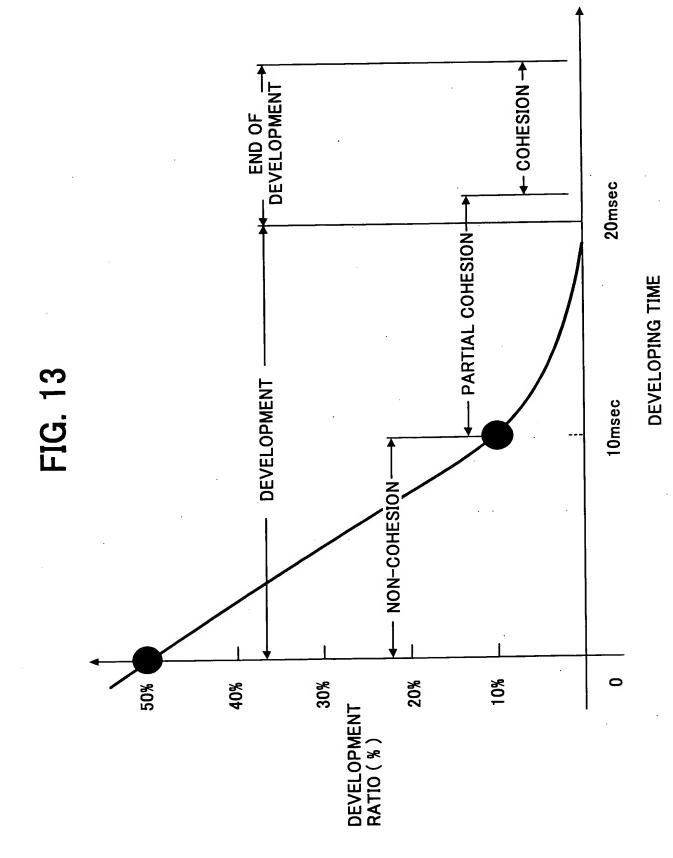
FIG. 1-1

LUMP GENERATION RANK	5	5	. 4	4	3	
DEVELOPMENT RATIO	%09	40%	30%	20%	10%	%0

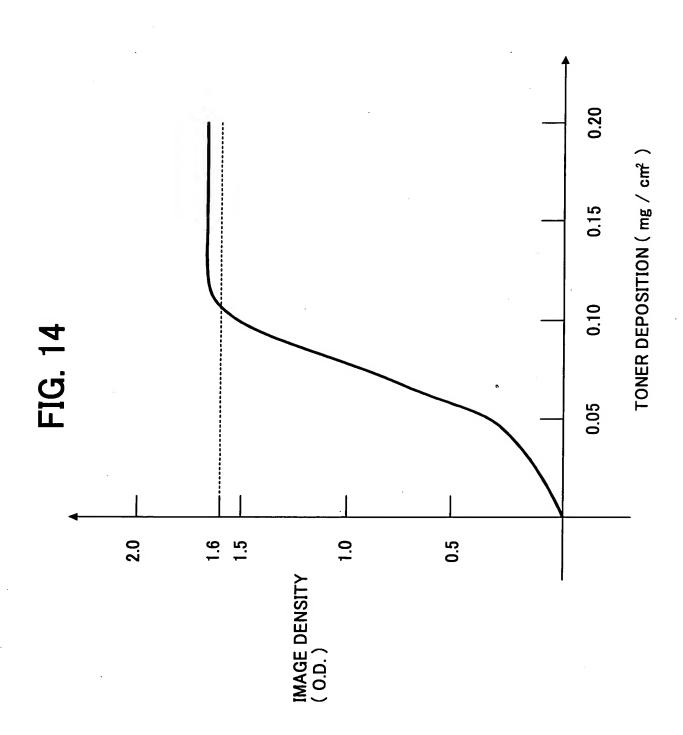
OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>12</u> OF <u>36</u>

FIG. 12C FIG. 12B **009** FIG. 12A 800V

OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>13</u> OF <u>36</u>

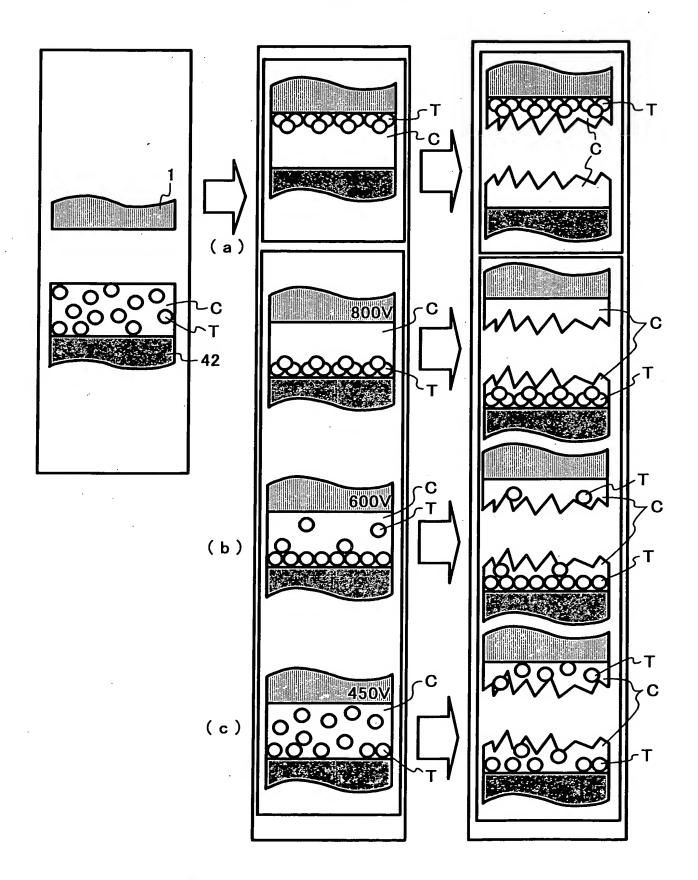


OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>14</u> OF <u>36</u>



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>15</u> OF <u>36</u>

FIG. 15

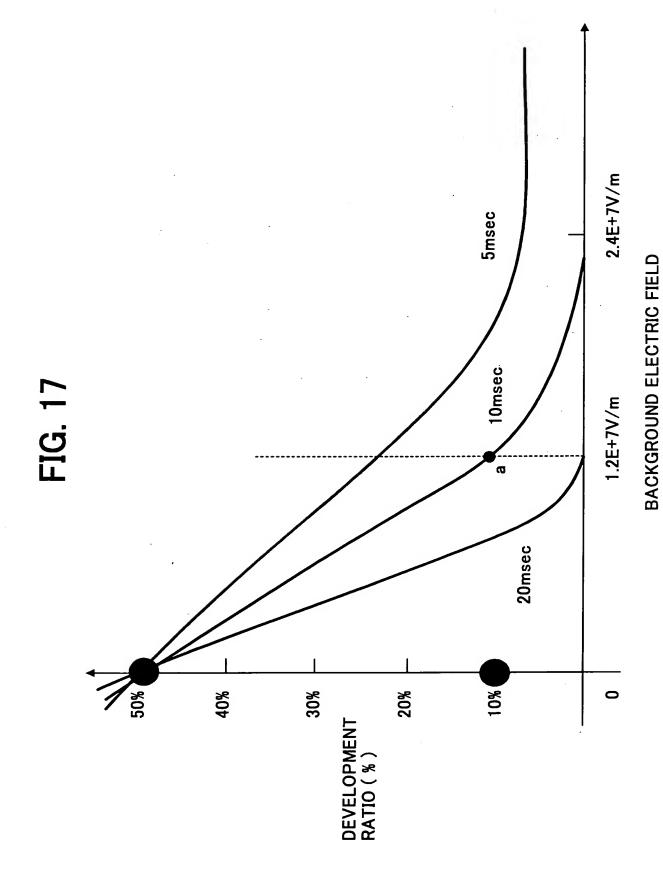


OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>16</u> OF <u>36</u>

FIG. 16

ELECTRIC FIELD V/m	LUMP GENERATION RANK 5: NONE ~ 1: MANY LUMPS	BACKGROUND DENSITY
0	5	BAD
1.00E + 07	5	STAIN
1.50E + 07	5	STAIN
2.00E + 07	4	STAIN
2.50E + 07	4	STAIN
3.00E + 07	3	STAIN
3.50E + 07	2	CLEAR
· 4.00E + 07	. 2	CLEAR
5.00E + 07	. 1	CLEAR

OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>17</u> OF <u>36</u>



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>18</u> OF <u>36</u>

FIG. 18A

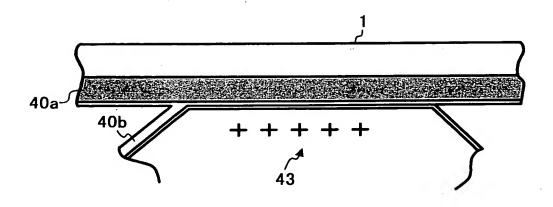
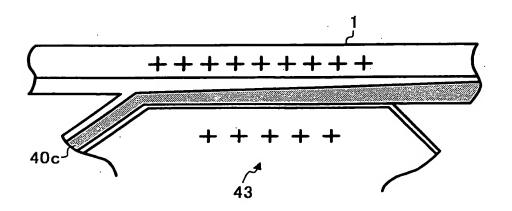


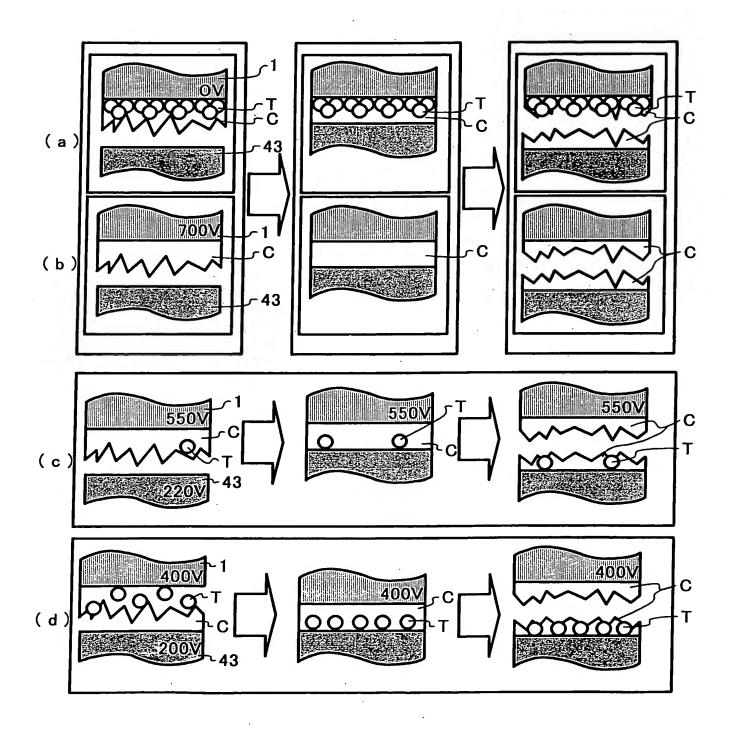
FIG. 18B



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL.

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FIG. 19



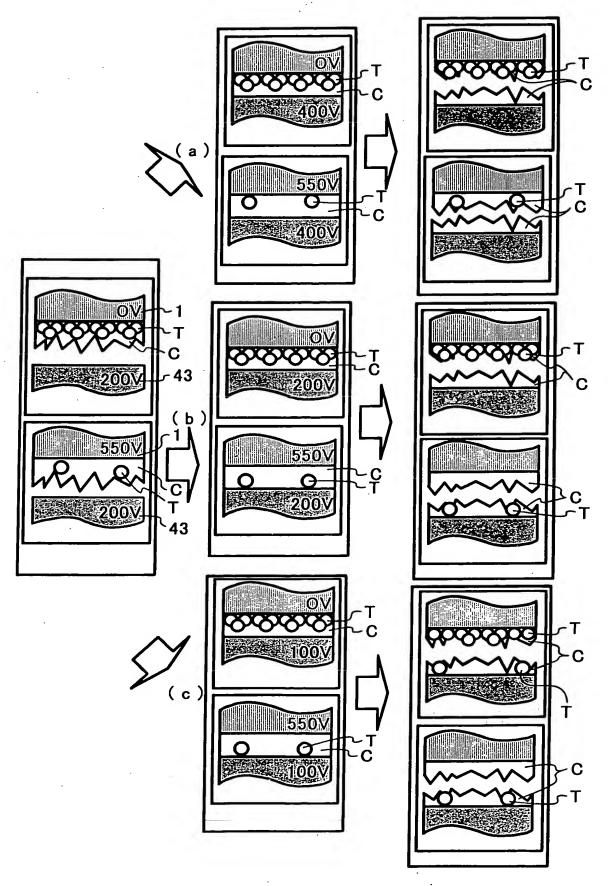
OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>20</u> OF <u>36</u>

FIG. 20

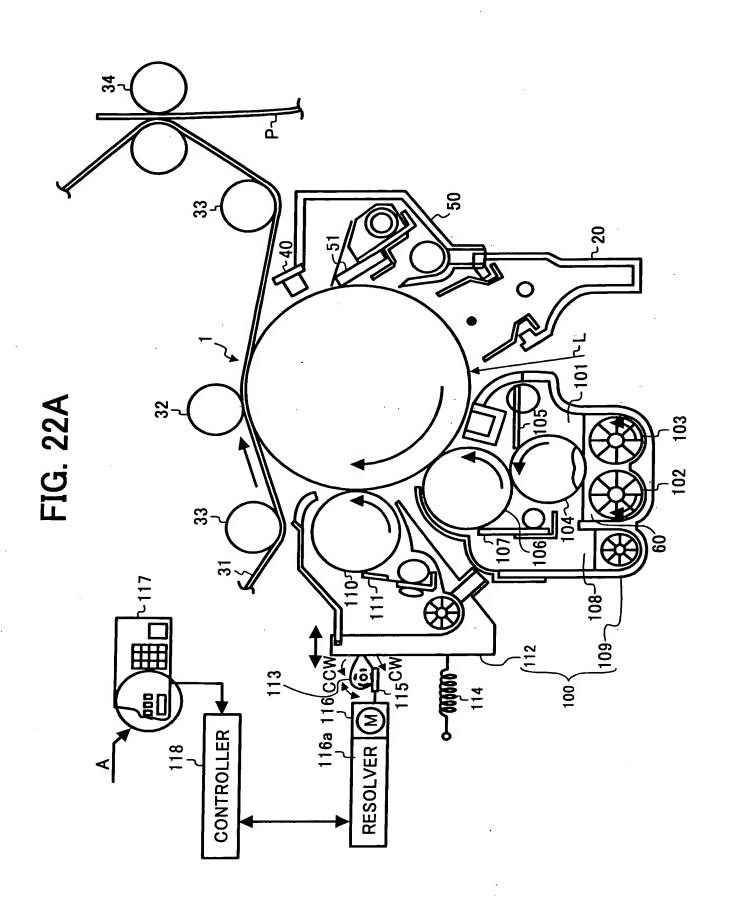
ELECTRIC FIELD V/m	LUMP GENERATION RANK 5: NONE ~ 1: MANY LUMPS	BACKGROUND DENSITY
0	5	BAD
1.00E + 07	5	STAIN
1.50E + 07	5	STAIN
2.00E + 07	5	CLEAR
2.50E + 07	5	CLEAR
3.00E + 07	5	CLEAR
3.50E + 07	4	CLEAR
4.00E + 07	4	CLEAR
5.00E + 07	3	CLEAR

OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>21</u> OF <u>36</u>

FIG. 21

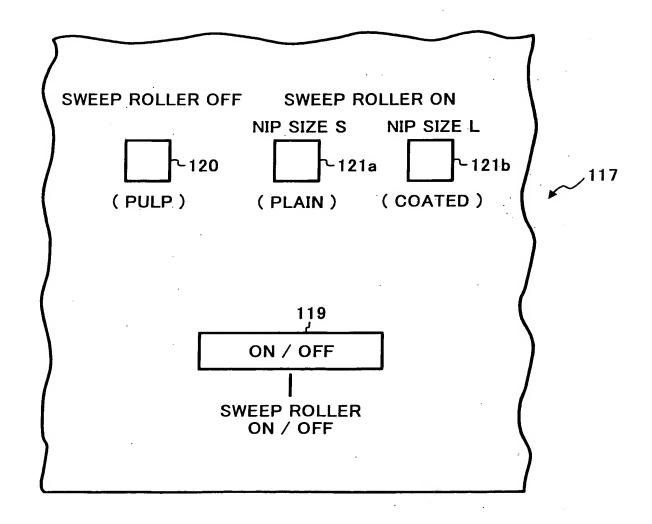


OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>22</u> OF <u>36</u>



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>23</u> OF <u>36</u>

FIG. 22B



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>24</u> OF <u>36</u>

FIG. 23A

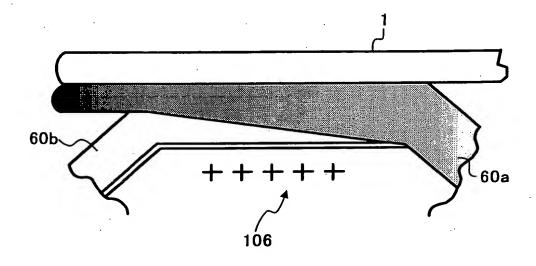
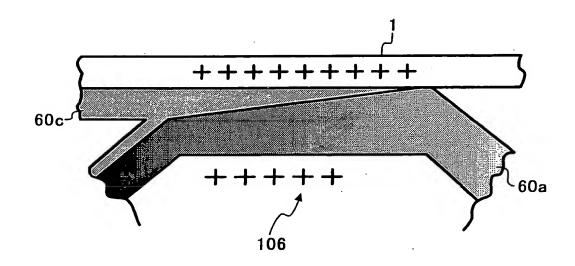


FIG. 23B



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>25</u> OF <u>36</u>

FIG. 24A

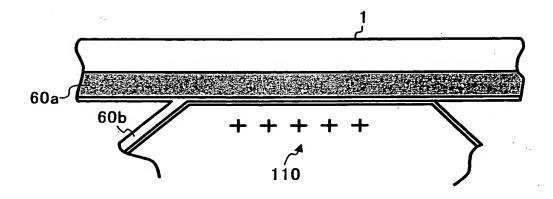
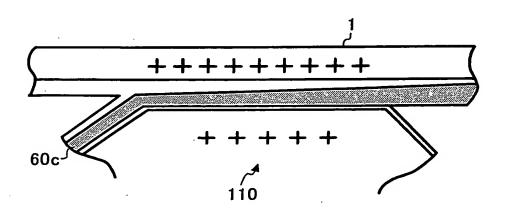


FIG. 24B



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>26</u> OF <u>36</u>

FIG. 25A

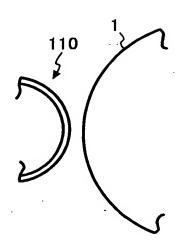


FIG. 25B

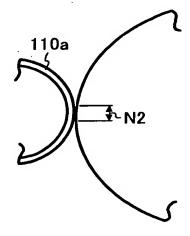
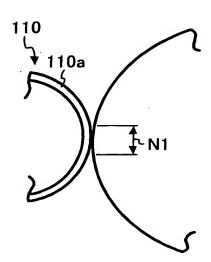


FIG. 25C



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>27</u> OF <u>36</u>

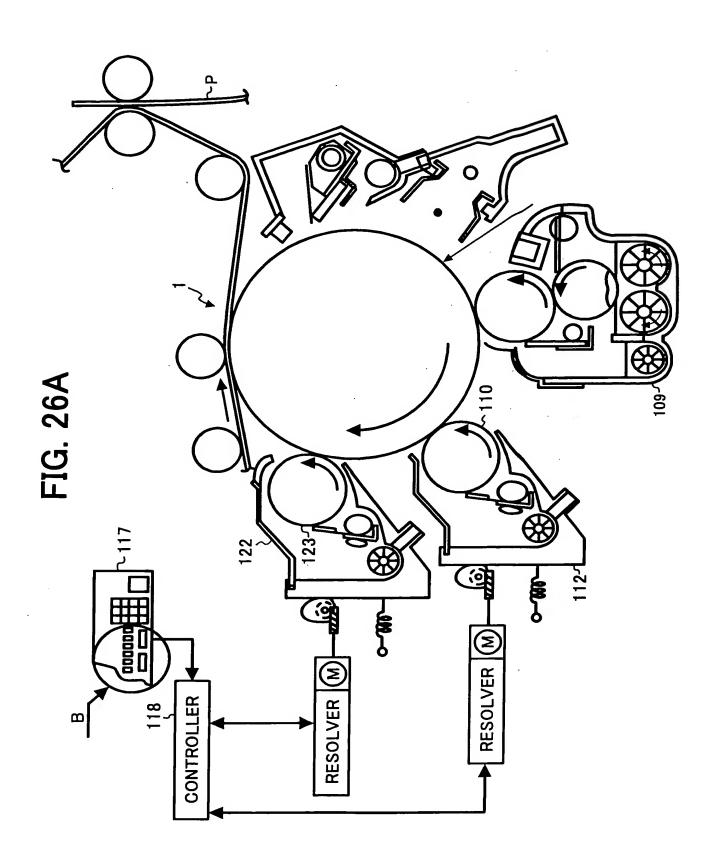
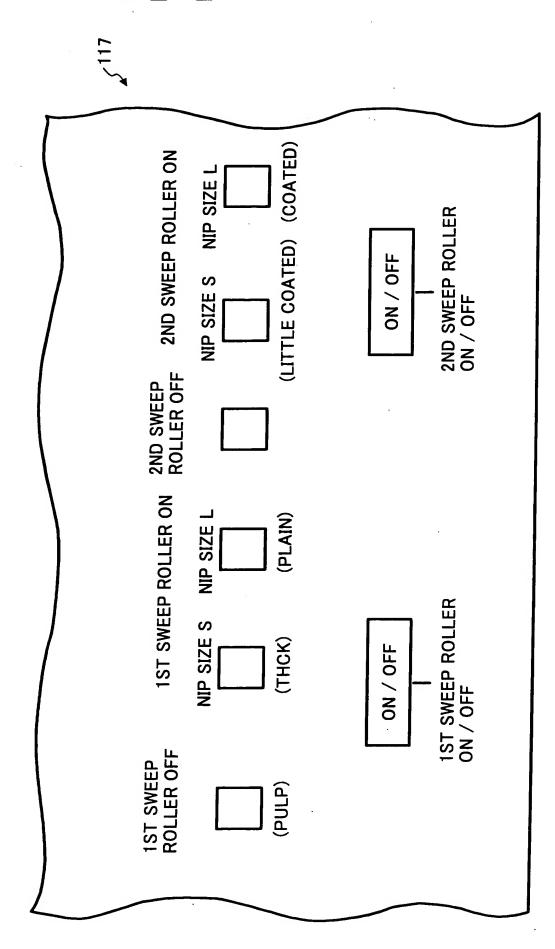
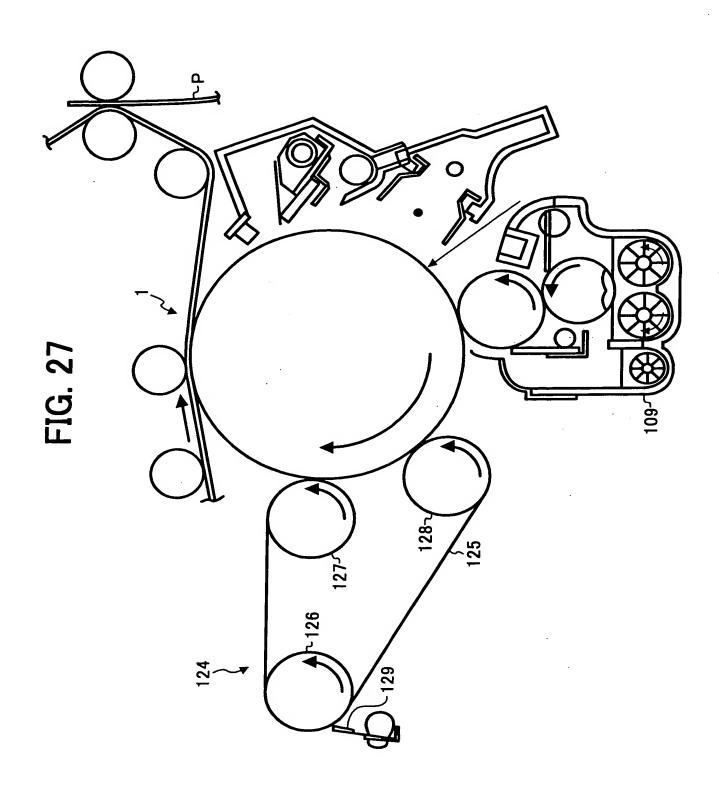


FIG. 26B

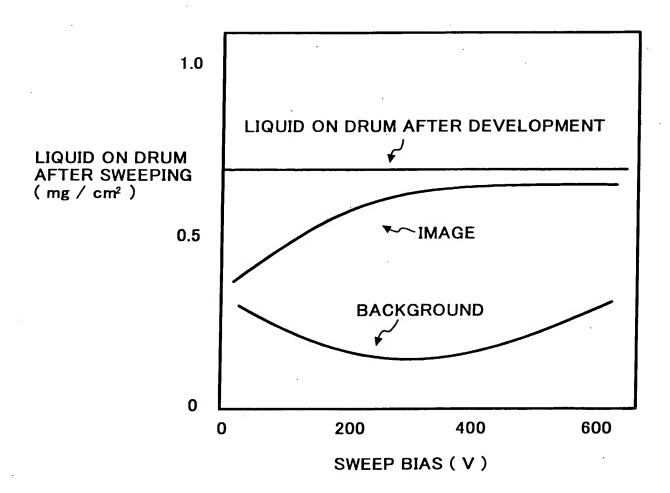


OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>29</u> OF <u>36</u>



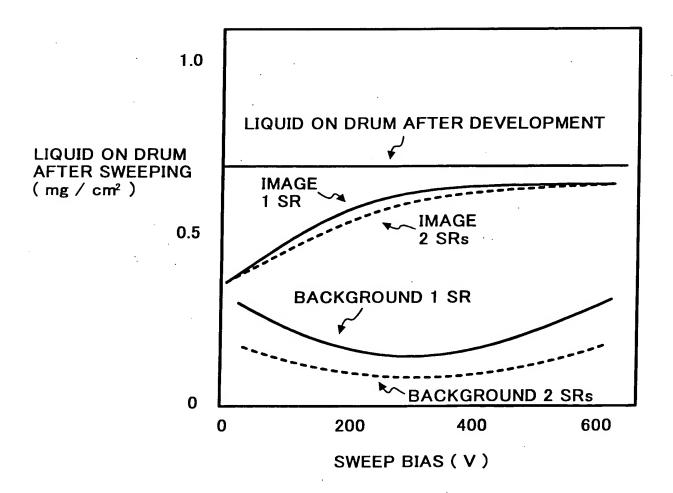
OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET 30 OF 36

FIG. 28

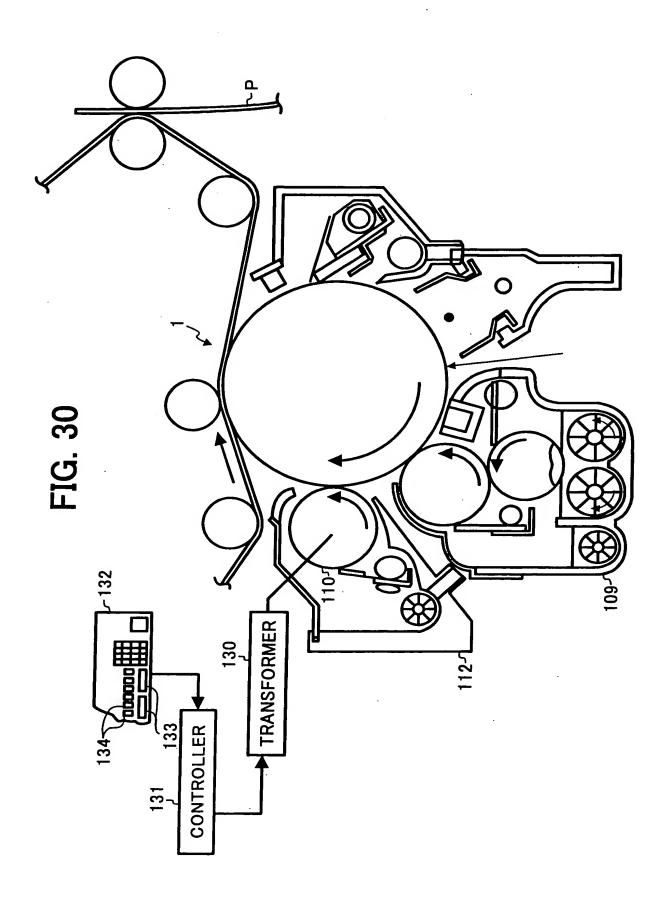


OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET 31 OF 36

FIG. 29



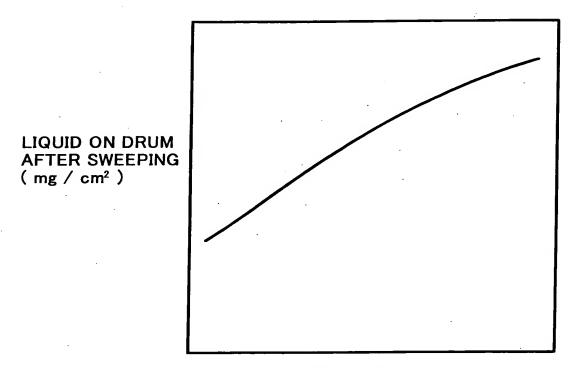
OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>32</u> OF <u>36</u>



OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>33</u> OF <u>36</u>

FIG. 31 TRANSFORMER 30 CONTROLLER RESOLVER OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>34</u> OF <u>36</u>

FIG. 32



LIQUID ON SWEEP ROLLER (mg / cm²)

OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>35</u> OF <u>36</u>

FIG. 33A RESOLVER (M) 00000 CONTROLLER

OBLON, SPIVAK ET AL. DOCKET #250991US 2 DIV INV: SASAKI, ET AL. SHEET <u>36</u> OF <u>36</u>

FIG. 33B

